SERVICE INSTRUCTIONS SI-1DA0A

FC-A410 FC-A413

Front Chainwheel

Before use, read these instructions carefully, and follow them for correct use.

Product specifications

FC-A410	FC-A413
110 mm	110 mm / 74 mm
CN-HG50 / CN-UG50	
46T-36T	46T-36T-26T
170 mm, 175 mm	
BC 9/16" X 20T.P.I. (English thread)	
BB-LP25	
BC 1.37" X 24 T.P.I. (68 mm), M36 X 24 T.P.I. (70 mm)	
43.5 mm	45.0 mm
110 mm (MM110)	118 mm (XL118)
	110 mm CN-HG50 A 46T-36T 170 mm, BC 9/16" X 20T.P. BB-L BC 1.37" X 24 M36 X 24 T. 43.5 mm

Note

- · Apply grease to the bottom bracket before installing it.
- To ensure the best performance, be sure to use only the specified type of chain. The wide type chain cannot be used.
- For any questions regarding methods of installation. adjustment, maintenance or operation, please contact a professional bicycle dealer.

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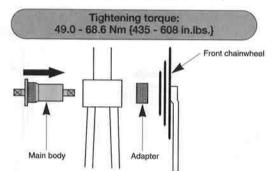
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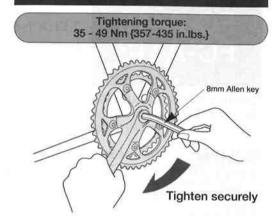
Please note: specifications are subject to change for improvement without notice. (English) © Jul. 1994 by Shimano Inc. XBC SZK Printed in Japan.

Installation of the bottom bracket (BB-LP25)

Install by using the special tool TL-UN73. First install the main body, then the adapter.

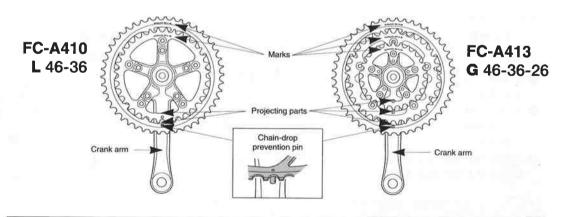


Installation of the front chainwheel



Installation of the chainrings

Be sure to use the following combination for the front chainwheel's tooth configuration. Position so that, when looking from the rear side, the G- or L- marks come to the positions as shown in the illustration, and so that the chain-drop prevention pin is directly behind the crank arm.



The features of the HyperDrive will not be obtained if the chainrings are installed in the incorrect position, or if a chainring with a mark other than G- or L- is being combined. Therefore, be sure to install them in the correct position.